

ABSTRACT

An optical recording device 10 of the present invention has a support substrate 11;
5 an optical transmitting layer 12; and a first dielectric layer 31, a noble metal oxide layer 23,
a second dielectric layer 32, a light absorption layer 22, a third dielectric layer 33, and a
reflection layer 21, all of which are interposed, in this sequence from the optical
transmitting layer, between the optical transmitting layer and the support substrate. The
thickness of the support substrate 11 ranges from 0.6 mm to 2.0 mm; the thickness of the
10 optical transmitting layer ranges from 10 μm to 200 μm ; the thickness of the noble metal
oxide layer ranges from 2 nm to 50 nm; the thickness of the second dielectric layer ranges
from 5 nm to 100 nm; the thickness of the light absorption layer 22 ranges from 5 nm to
100 nm; and the thickness of the third dielectric layer 33 ranges from 10 nm to 140 nm.
A superior characteristic can be acquired through super-resolution recording and
15 super-resolution reproduction using an optical system for use with an optically recording
medium of the next generation type.